

Title (en)

SORTING DEVICE WITH A SUPERCONTINUUM RADIATION SOURCE AND ACCORDING METHOD

Title (de)

SORTIERVORRICHTUNG MIT SUPERCONTINUUM-LICHTQUELLE UND ZUGEHÖRIGES VERFAHREN

Title (fr)

DISPOSITIF DE TRI AVEC SOURCE LUMINEUSE SUPERCONTINUUM ET PROCÉDÉ ASSOCIÉ

Publication

**EP 2200758 B1 20140108 (EN)**

Application

**EP 08829903 A 20080903**

Priority

- BE 2008000070 W 20080903
- EP 07447051 A 20070903
- EP 08829903 A 20080903

Abstract (en)

[origin: WO2009030004A1] The invention relates to a system comprising a broadband optical light source and a sorting device and more specifically to laser sorting devices. The object of the present invention is to provide a system comprising a sorting device with a light-source offering all wavelengths for the sorting process. This is solved by using an all fiber supercontinuum light source.

IPC 8 full level

**B07C 5/342** (2006.01); **G01N 21/89** (2006.01)

CPC (source: EP US)

**B07C 5/342** (2013.01 - EP US); **G01N 21/85** (2013.01 - EP US); **G01N 21/8901** (2013.01 - EP US); **G01N 2021/8592** (2013.01 - EP US); **G01N 2201/1042** (2013.01 - EP US)

Citation (examination)

US 2006198588 A1 20060907 - KUKSENKOV DMITRI VLADISLAVOVIC [US], et al

Cited by

WO2023102318A1; EP3324173A1; WO2019008486A1; US11099130B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2009030004 A1 20090312**; CA 2697636 A1 20090312; CA 2697636 C 20151103; CN 101827662 A 20100908; CN 101827662 B 20141231; DK 2200758 T3 20140324; EP 2200758 A1 20100630; EP 2200758 B1 20140108; ES 2456315 T3 20140422; JP 2010538278 A 20101209; JP 2016006437 A 20160114; MX 2010002520 A 20100623; PL 2200758 T3 20140829; US 2010198397 A1 20100805; US 8259298 B2 20120904

DOCDB simple family (application)

**BE 2008000070 W 20080903**; CA 2697636 A 20080903; CN 200880111705 A 20080903; DK 08829903 T 20080903; EP 08829903 A 20080903; ES 08829903 T 20080903; JP 2010523241 A 20080903; JP 2015190131 A 20150928; MX 2010002520 A 20080903; PL 08829903 T 20080903; US 67621008 A 20080903